

EFFICACY REVIEW

DATE: IN 11-10-98 OUT 2-1-99

FILE OR REG. NO. 279-3155

PETITION OR EXP. PERMIT NO. _____

DATE DIV. RECEIVED October 14, 1998

DATE OF SUBMISSION October 12, 1998

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TYPE PRODUCT(S): (I,)D, H, F, N, R, S _____

DATA ACCESSION NO(S). 446717-01;D250838;S551203;Case#007469;AC:305

PRODUCT MGR. NO. 03-Lewis/Keigwin

PRODUCT NAME(S) Talstar® Nursery Flowable Insecticide/Miticide

COMPANY NAME FMC Corporation, Agricultural Products Group

SUBMISSION PURPOSE Provide performance data in support of claims
for black vine weevil in containerized nursery
plants as a preventative treatment topical drench.

CHEMICAL & FORMULATION Bifenthrin* 7.9%
*Cis/trans isomer ratio: (0.67 lb. active/gallon dilutable liquid)
Minimum 97% cis, maximum 3% trans

CONCLUSIONS & RECOMMENDATIONS The data presented in EPA Accession
(MRID) Number 446717-01, having been obtained from standard field
testing conducted according to the requirements of § 95-5(a)(1)-(5)
on p. 248 and meeting the standards of § 95-4(b)(2) on p. 247 and
§ 95-5(b)(11) on p. 249 of the Product Performance Guidelines, are
adequate to demonstrate the ability of the subject formulation to
kill larvae of the black vine weevil, Otiorhynchus sulcatus, in the
soil surrounding containerized nursery plants, Taxus media, when
applied at a rate of 0.025-0.2 lb. A.I. per 100 gallons as a li-
quid drench, and to continue to provide >90% for 181, 221, 199,
and 139 days after treatment respectively in 4 separate field trial
reports. Furthermore, when applied at 0.1-0.2 lb. A.I. per 100
gallons, black vine weevil control continued at >90% for 526, 612,
600, and 533 days after treatment respectively in these same 4 ex-
periments, thus supporting claims that topical drench application
will provide black vine weevil larval control for two growing seas-
ons when treatment is made in the spring. It is also noted no
phytotoxicity was observed in 3 field trials where such non-target
effects were evaluated. There was no mention of such in the 4th.

RL Vern L. McFarland, IB